

Huawei s AI Server Chips



Overview

Now, at the Huawei Connect 2025, the firm has announced new iterations of its 'SuperPoD' AI clusters. These will be the Atlas 950 and the Atlas 960, with the earlier one featuring the new Ascend AI chips, and interestingly, will compete with NVIDIA's Rubin lineup. Huawei has officially launched the Ascend 950PR, a 1.56-petaflop AI inference chip that delivers 2.8 times the FP4 performance of Nvidia's H20 — marking the most aggressive challenge yet to American semiconductor dominance from a Chinese chipmaker operating under heavy US sanctions. With 750,000. NVIDIA's GTC 2026 keynote framed "Physical AI" as the next frontier: autonomous robots, smart factories, and intelligent vehicles. China is pursuing the same vision with domestic silicon. Both supply chains now run in parallel rather than interdependently. You can read more about the investment. Huawei announced its CloudMatrix 384 AI system a few months ago, which was reportedly to have surpassed NVIDIA's Blackwell AI system. The announcement, breaking years of secrecy. Huawei on Sept 18 discussed for the first time how it intends to challenge global industry leader Nvidia. Huawei is developing proprietary high-bandwidth. Huawei Technologies Co has built a robust ecosystem around its Ascend chips for AI computing and its server chips Kunpeng, despite the US government's restrictions.



Article Content

Oct 22, 2025

Huawei announces new AI infrastructure as Nvidia gets

Huawei's SuperPoD interconnect technology creates clusters of chips, including AI chips, to increase compute.

Feb 25, 2026

Huawei AI chip gains orders from ByteDance and Alibaba amid

Huawei is gaining renewed traction in the AI semiconductor market, with ByteDance and Alibaba reportedly planning to place orders for its latest AI chip, according to sources familiar with the

Dec 28, 2025

Huawei launches CloudMatrix 384 server as an

CloudMatrix 384 is powered by 384 of Huawei's most sophisticated AI chips, the Ascend 910C graphics processing unit. That compares with just 72

Sep 22, 2025

DeepSeek V4 with Huawei AI chips can be terrible for US: Nvidia

DeepSeek V4 AI model is in rumors these days to run entirely on Huawei Ascend chips and if this happens, the outcomes can be really terrible for the US, according to the Nvidia CEO -

May 17, 2026

Huawei toasts to AI chip and computing power as 2025

Nvidia flags Huawei as the strongest company in history It is foolish to underestimate Huawei's competitive spirit: Nvidia On the other hand, Kunpeng

Jul 02, 2025

Nvidia China AI Market Share Zero 2026: 5 Alarming Facts About the

Nvidia China AI market share zero 2026 as Jensen Huang admits 95% has gone to 0%. B300 servers hit \$1M on black market. Here is what happened and what comes next.

Oct 01, 2025

Huawei competes against Nvidia with many chips | heise online

Huawei competes against Nvidia with many chips With a sheer mass of Ascend 910C accelerators, Huawei is building servers that are said to be faster than Nvidia's Blackwell systems in

Mar 24, 2026

Huawei Chips Claim 41% of China's AI Server

Huawei shipped 812,000 AI chips in 2025 as Chinese firms claim 41% of China's AI server market, reshaping Asia's hardware landscape.

Sep 08, 2025

Huawei's new AI chip draws orders from ByteDance,

Huawei has begun customer testing of its new 950PR AI chip, with ByteDance and Alibaba planning to place orders, according to two people familiar

Jun 06, 2026

Huawei Unveils Next-Gen Atlas 950 & 960 SuperPoD AI

Huawei claims that the Atlas 950 SuperPoD will be the world's largest AI cluster, in terms of the chips onboard, since systems with 500K to 1 million

Feb 16, 2026

U.S. Council: NVIDIA-Huawei AI Chip Gap

While Huawei's AI chips have made rapid strides, a new U.S. council report finds that NVIDIA continues to lead in overall AI hardware performance, wit...

Nov 24, 2025

DeepSeek V4 triggers scramble for Huawei AI chips as US export

DeepSeek's endorsement changes that calculus. "Huawei's Ascend chips are the country's best homegrown alternative to Nvidia, and supporting DeepSeek V4 shows that top

Apr 24, 2026

Huawei Ascend 950 AI chips demand surges after DeepSeek V4 release

DeepSeek V4 series AI models have recently made their way to the real world via a preview version, and this move has significantly surged the demand for Huawei Ascend 950 chips. A

Oct 22, 2025

Huawei's AI servers show tech advancing despite US curbs

TOKYO -- Huawei Technologies is steadily building up its own artificial intelligence infrastructure with homegrown chips and servers, underscoring China's progress

May 04, 2026

Chinese tech firms rush for Huawei AI chips after DeepSeek's V4 launch

The demand for Huawei Technologies' Ascend 950 AI chips has soared after DeepSeek unveiled its V4 AI models.

Aug 08, 2025

Huawei reveals its Ascend AI chip plans, taking the fight

Huawei laid down a roadmap for its Ascend AI chips, an increasingly important product for the company, and China as a whole, amid the U.S.-China

May 12, 2026

Key products in Huawei's AI chips and computing power

Huawei unveiled its roadmap to challenge Nvidia with its Ascend AI chips, planning new series like Ascend 950 (Q1 next year), 960, and 970. Huawei

Jan 12, 2026

Exclusive: Huawei readies new AI chip for mass

Huawei Technologies plans to begin mass shipments of its advanced 910C artificial intelligence chip to Chinese customers as early as next month, two

Nov 25, 2025

Huawei Ascend 950PR: The 1.56 PFLOP AI Chip vs Nvidia

Huawei has officially launched the Ascend 950PR, a 1.56-petaflop AI inference chip that delivers 2.8 times the FP4 performance of Nvidia's H20 — marking the most aggressive challenge

Jan 08, 2026

Huawei's Ascend AI chip ecosystem scales up as China

The foundation of Huawei's server strategy is the Ascend 910C, a dual-chiplet accelerator built using stacked HBM2E memory and a DaVinci NPU

Nov 05, 2025

Big Chinese tech firms scramble to secure Huawei AI chips after ...

BEIJING — Demand for Huawei's Ascend 950 AI chips has surged following the release of DeepSeek's V4 artificial intelligence model that runs on the Shenzhen-based tech firm's chips, with

May 16, 2026

DeepSeek launches V4 model adapted for Huawei AI chips

DeepSeek launched a V4 preview adapted for Huawei AI chips, with Reuters reporting Huawei chips were used in part of V4-Flash training.

Oct 31, 2025

Huawei to ship 700K+ Ascend 910 chips despite SMIC's

US is increasing sanctions against Huawei AI chips, but the company still hopes to sell around 700K+ Ascend 910 series processors in the Chinese

Apr 12, 2026

Huawei builds robust AI chip ecosystem despite US bans

Huawei Technologies Co has built a robust ecosystem around its Ascend chips for AI computing and its server chips Kunpeng, despite the US

Nov 07, 2025

Huawei launches Ascend AI chips, Kunpeng server chips

Throughout this process, we will keep evolving our Ascend chips, making them easier to use, supporting more data formats, and increasing their

Sep 09, 2025

U.S. Declares Use of Huawei AI Chips Globally Violates

The U.S. Commerce Department warns that Huawei's use of Ascend AI chips anywhere in the world breaks export rules, further tightening pressure on

Jan 17, 2026

How is Huawei's Ascend 910B outperforming Nvidia's

Foreign media outlets recently reported that due to poor demand for the China-tailored H20 series AI chips, Nvidia has lowered the prices of the H20

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